

CLAIMS

1. A luminescent glass article, characterized by comprising a luminescent substance dispersed uniformly in glass, wherein:
light transmittance is 20 to 90% at a thickness of 10 mm;
and
an initial luminescence intensity just after irradiation of light of 1,000 lux for 20 min is 200 to 4,000 mcd/m².

2. A luminescent glass article according to claim 1, characterized in that a luminescence intensity 10 min after the irradiation, is 10% or more of the initial luminescence intensity.

3. A luminescent glass article according to claim 1, characterized in that a content of the luminescent substance, is 0.1 to 5 mass%.

4. A luminescent glass article, characterized by comprising a luminescent substance dispersed uniformly in glass, wherein the content of the luminescent substance is 0.1 to 5 mass%.

5. A luminescent glass article, according to claim 1 or 4, characterized in that the glass, has a softening point of 650 to 1,100°C.

6. A luminescent glass article according to claim 5, characterized in that the glass, is composed of one type or two or more types of glass selected from the group consisting of soda-lime glass, borosilicate glass, aluminosilicate glass, and aluminoborosilicate glass.

7. A luminescent glass article according to claim 4, characterized in that the luminescent substance, has an average particle size of 50 to 5,000 μm .

8. A luminescent glass article according to claim 4, characterized in that the luminescent glass article, is formed into a block or plate having a thickness of 5 to 100 mm.

9. A method of manufacturing a luminescent glass article, characterized by comprising:

mixing a plurality of glass particles and a luminescent substance;

pouring the mixture into a refractory vessel; and

subjecting the mixture to heat treatment for sintering.